

ORDER FOR SUPPLIES AND SERVICES				IMPORTANT: See instructions in GSAR 553.370-300-1 for distribution		PAGE 1 OF 1 PAGE(S)	
1. DATE OF ORDER 09/05/2018		2. ORDER NUMBER 47QFWA18F0057		3. CONTRACT NUMBER GS00Q09BGD0013		4. ACT NUMBER A21913079	
FOR GOVERNMENT USE ONLY	5. ACCOUNTING CLASSIFICATION				6. FINANCE DIVISION		
	FUND 285F	ORG CODE Q07FA000	B/A CODE AA20	O/C CODE 25	AC	SS	VENDOR NAME
	FUNC CODE AF151	C/E CODE H08	PROJ./PROS. NO.	CC-A	MDL	FI	G/L DEBT
	W/ITEM	CC-B	PRT./CRFT	AI	LC	DISCOUNT	
7. TO CONTRACTOR (Name, address and zip code) B-6 BOOZ ALLEN HAMILTON ENGINEERING SERVICES, LLC 900 Elkridge Landing Rd Ste 100 Linthicum, MD 21090-2950 United States B-6				8. TYPE OF ORDER B. DELIVERY		REFERENCE YOUR	
				Please furnish the following on the terms specified on both sides of the order and the attached sheets, if any, including delivery as indicated.			
				This delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above numbered contract.			
				C. MODIFICATION NO. P00000 TYPE OF MODIFICATION:		AUTHORITY FOR ISSUING	
9A. EMPLOYER'S IDENTIFICATION NUMBER B-4		9B. CHECK, IF APPROP WITHHOLD 20%		Except as provided herein, all terms and conditions of the original order, as heretofore modified, remain unchanged.			
10A. CLASSIFICATION Other than one of the preceding				10B. TYPE OF BUSINESS ORGANIZATION C. Corporation			
11. ISSUING OFFICE (Address, zip code, and telephone no.) GSA Region 07 Erin Quinn-Neuendorf 819 TAYLOR ST FORT WORTH, TX 76102-6124 United States 817-850-5577		12. REMITTANCE ADDRESS (MANDATORY) BOOZ ALLEN HAMILTON ENGINEERING SERVICES, LLC 900 Elkridge Landing Road Linthicum, MD 21090 United States		13. SHIP TO (Consignee address, zip code and telephone no.) Jeremy B Whitmore 660 A Street West, Hanger 74 Randolph AFB, TX 78150 United States (210) 652-4826			
14. PLACE OF INSPECTION AND ACCEPTANCE Jeremy B Whitmore 660 A Street West, Hanger 74 Randolph AFB, TX 78150 United States		15. REQUISITION OFFICE (Name, symbol and telephone no.) Steve Renner GSA Region 07 10001 REUNION PL SAN ANTONIO, TX 78216-4159 United States 210-306-2348					
16. F.O.B. POINT Destination		17. GOVERNMENT B/L NO.		18. DELIVERY F.O.B. POINT ON OR BEFORE 03/16/2019		19. PAYMENT/DISCOUNT TERMS NET 30 DAYS / 0.00 % 0 DAYS / 0.00 % 0 DAYS	
20. SCHEDULE							
See the CORE TASK ID07130017 Form 300 information.							
ITSS Module Number: ID07130017134 (Module 134)							
This is a firm fixed priced module under the CORE TASK ID07130017 in the amount of \$8,450,169.18. The proposal submitted by Booz Allen Hamilton ES in ITSS on 08/24/2018 is HEREBY FULLY INCORPORATED INTO THE MODULE.							
Period of Performance: September 15, 2018 to March 16, 2019							
All travel shall be cost reimbursable and actual receipts need to be provided with the invoice. All travel shall be billed without the application of profit or other indirect costs.							
WHEN BILLING FOR SERVICES PROVIDED UNDER THIS TASK REFERENCE ACT#: A21913079							
POC: Erin Quinn-Neuendorf, Contracting Officer, ph: 817-850-5577, email: erin.quinn-neuendorf@gsa.gov							
ITEM NO. (A)	SUPPLIES OR SERVICES (B)	QUANTITY ORDERED (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)		
0001	FFP Labor	1	lot	B-4	B-4		
0002	FFP ODCs	1	lot	B-4	B-4		
0003	CR Travel	1	lot	B-4	B-4		
0004	CR CAF	1	lot	B-4	B-4		
21. RECEIVING OFFICE (Name, symbol and telephone no.) Trainer Development Division, (210) 652-4826				TOTAL From 300-A(s)			

22. SHIPPING POINT Specified in QUOTE	23. GROSS SHIP WT.	GRAND TOTAL	\$8,450,169.18
24. MAIL INVOICE TO: (Include zip code) General Services Administration (FUND) The contractor shall follow these Invoice Submission Instructions . The contractor shall submit invoices electronically by logging into the ASSIST portal (https://portal.fas.gsa.gov), navigating to the appropriate order, and creating the invoice for that order. For additional assistance contact the ASSIST Helpdesk at 877-472-4877. Do NOT submit any invoices directly to the GSA Finance Center (neither by mail nor via electronic submission).	25A. FOR INQUIRIES REGARDING PAYMENT CONTACT: GSA Finance Customer Support	25B. TELEPHONE NO. 816-926-7287	
	26A. NAME OF CONTRACTING/ORDERING OFFICER (Type) Erin Quinn-Neuendorf	26B. TELEPHONE NO. 817-850-5577	
	26C. SIGNATURE Erin Quinn-Neuendorf 09/05/2018		
GENERAL SERVICES ADMINISTRATION	1. PAYING OFFICE	GSA FORM 300 (REV. 2-93)	

TASK ORDER # ID07130017-134

STATEMENT OF OBJECTIVES (SOO)

FOR

Mobile APPs and Games for Intelligent Courseware
MAGIC

PREPARED FOR

General Services Administration
Greater Southwest Region

PREPARED BY

25 AF Air Force Cryptologic Office (AFCO)
Lackland AFB, Texas

DATE

22 Jun 2018
22 Aug 2018

1.0 Background

The 25 Air Force (AF) in conjunction with Air Education and Training Command created the Mobile Applications and Games for Intelligent Courseware (MAGIC) program to revolutionize the way training is delivered. The intent of the program is to move training content from a format designed primarily to convey knowledge, such as Microsoft PowerPoint, to formats that are more conducive to learning while also engaging the trainee through technology they're familiar with and improving retention of the training material. The 25AF MAGIC program serves more than 12,000 Intelligence, Surveillance and Reconnaissance professionals throughout the 25AF enterprise, including officers, enlisted and total force airmen. With a focus on bringing learning into a digital age, MAGIC is based on the philosophy that training content should be available whenever, wherever and on a device of the students choosing. The 25AF requires next generation interactive products to support existing and emerging training requirements across the Air Force and Intelligence Communities. The need is for diverse product lines tailored to meet enterprise training requirements: game-based eBooks, interactive courseware, and immersive environments including virtual reality products.

2.0 Scope

The scope of this effort includes research, analysis, design, development, prototyping, system integration and testing needed to deliver IT-based cutting edge and emerging capability interactive and immersive training solutions to meet the needs of current and future military personnel. This includes:

- Translate military training objectives into blended learning solutions covering complex concepts and operational skills to enable mission essential tasks
- Provide in-progress reviews and demonstrations of MAGIC applications and games for ISR courseware across multiple platforms on contract site at both the classified and unclassified levels
- Deliver up to Level 4 interactive multimedia instruction (IMI) and provide the highest level of interactivity possible via realistic immersive experiences
- Deliver interactive courseware and immersive learning environments for game-based learning content and apps via mobile, desktop, and virtual reality system platforms

3.0 Objectives

The objectives of the resulting interactive and immersive training products are to enhance Airmen readiness to conduct their diverse intelligence missions through professional development, contributing to the overall operational readiness of the 25 AF. Training content is based on established doctrine and tactics, techniques and procedures (TTPs), and current analysis of the operational environment to include emerging global threats. The 25AF requires training technology solutions to translate that content into interactive and immersive training applications deployed to multiple platforms to include mobile/fixed virtual reality systems, AF standard

desktops, multiple operating systems (e.g., PC, iOS, Android, Linux), and education/learning environments (Learning Management Systems). Solutions may cross delivery platforms and should be executed efficiently with minimal modifications required to deliver across the product spectrum. Additionally, the environments should be designed with consideration for the future ability to incrementally add specific training tasks with minimal updates to the environment. This work will focus on developing technically accurate training content and highly realistic immersive (virtual reality) environments.

3.1 Solicitation Objectives

This Statement of Objectives (SOO) provides the basic, top-level objectives of a task order (TO), and is provided in lieu of a Government-written statement of work (SOW) or performance work statement (PWS). It provides the Contractor flexibility to develop cost-effective solutions and the opportunity to propose innovative alternatives for meeting the Government's identified objectives.

The purpose of this SOO is to solicit a proposal, which shall result in a Firm Fixed Price (FFP) Performance Based module.

3.2 Program Objectives

The objective of this effort is:

- Receive, under a performance-based, Firm Fixed Priced (FFP) arrangement, highly reliable and secure technology based services defined herein, ensuring support that meets or exceeds customer requirements and expectations.
- Logistics/Integration – (If required) Procurement, integration, installation, and testing of all hardware components coupled with integration of the virtual environments
- Personnel – Provide an effective skill mix, experience, and required number of qualified personnel to accomplish the required tasks to a high level of realism while meeting educational objectives.
- Materials – Procure all necessary supplies, spares, tools, and test equipment, consumables, hardware, software, automatic data processing equipment, documentation, and other applicable properties, in the most cost effective/efficient manner ensuring that the requirements for purchasing of materials and other ODCs (to include travel, and subcontracted labor) are in full compliance with the Core Task Order terms and conditions.
- Organizational processes – Provide internal controls, management oversight, and supply support. Execute program oversight which includes consistent customer interaction and reviews of progress.
- Obtain sufficient rights in technical data, both software and hardware, such that the Government can maintain and modify the training system and resulting products using Government personnel and third-party Contractors as required now and in the future.

- Use electronic technologies to reduce paper copies of program information generated throughout the life of this contract.
- Use electronic technologies to communicate and pass data between Government and Contractor organizations.

4.0 Tasks

Tasks for this module can be summarized as follows:

- Task 1: Design and develop virtual reality immersive environments that include a high level of artistic details, functionality to emulate real world actions and inclusion of training content/objectives (for example, embedded knowledge checks). These products require instructional based design techniques to support learning objectives and game based techniques to increase user engagement.
- Task 2: Design and develop IMI products up to Level IV that deliver effective, engaging, and enduring learning experiences meeting sharable content and 508 compliance standards. These products may require game-based techniques to support learning objectives and to train ISR professionals in complex topics and skills.
- ~~Task 3: Provide assessments and recommendations on emerging technologies (virtual reality, augmented reality and peripherals) to support interactive and immersive training delivery.~~
- Task 4: Produce monthly status reports detailing work in progress, work accomplished and future work plans.

5.0 Requirements

5.1 Devices/Upgrades. None.

5.2 Hardware. None.

5.3 Software

Applications should be developed using Unity 3D and delivered as executables for Windows 10 operating systems. The applications should include necessary drivers to work with the HTC Vive virtual reality system, and should operate as standalone solutions independent of network connections. The final applications are expected to be delivered on DVD.

5.4 Materials

5.4.1 Spares

Extra DVDs of the applications (2) should be provided at contract end as backup.

5.4.2 Consumables

There are no consumables in the scope of this work.

5.5 Acceptance Testing

The Contractor shall provide periodic checks with government clients at predetermined points (milestones) throughout the project to ensure application meets expectations for learning and realism. At a minimum, contractor shall provide both Alpha and Beta versions of the application for review with the 25AF technical representative. The Contractor shall ensure the required user interface functions are tested to verify system performance.

The Contractor shall perform verification testing of applications before delivery.

Client designated POCs will provide acceptance/validation of the application through email exchanges following the Alpha, Beta and Final Delivery milestones. Client review and validation of the virtual environment and user interface shall constitute acceptance of the product.

5.6 Delivery

The applications will be delivered via DVD.

5.7 Installation and Assembly

5.8 Repair Services

5.9 Training

5.9.1 Operator Training

Interactive and immersive training applications will include a built-in tutorial to explain application features, such as navigation or sound effects options.

5.9.2 Training Documentation

Training Documentation is not required for this effort.

5.10 Travel

The Contractor shall perform the required travel necessary to support the execution of this effort.

6.0 Data Deliverables

The Contractor shall provide the Contract Data Requirements List (CDRLs) as identified in Table 2, "Document Deliverables."

Documentation may be delivered in electronic format on DVD ROM, File Transfer Protocol (FTP) or by EMAIL. (NOTE: Documentation can NOT be delivered on USB memory stick, per DOD regulations).

Table 2: Document Deliverables

CDRL	Deliverable	DID	Paragraph
A001	Contractor's Progress, Status and Management Report	DI-MGMT-80227/T	9.0
A003	Acceptance/Validation Report		5.5
	Master Schedule	Contractor Format	4.0

6.1 Warranty

The Contractor shall provide warranty terms which are included in the delivered firm-fixed price for the items/quantities incorporated into the (i.e., no separately priced warranty) SOW, which shall be submitted to the Government in response to this SOO. The Contractor shall transfer all Original Equipment Manufacturer warranties to the Government.

6.2 Support Software

No support software required.

7.0 Constraints

7.1 Work Locations and Hours of Performance

Work will be performed primarily at the Contractor facility. Government site work may be required for initial collection of requirements, photos, and status updates such as Alpha and Beta reviews. When working at Government facilities, work will be accomplished during normal duty hours (0800 – 1700), unless otherwise approved by site personnel. The Contractor shall not schedule work on Federal Holidays.

Contractor personnel will not report to Government facilities to work, nor remain at the work locations, any time the Government is unexpectedly required to close their offices. The Government will inform the Contractor for Government closures. The Contractor is responsible for all notification of their contractor staff during times of closure.

7.2 Base Security

While at Government locations, the Contractor shall comply with local security procedures, policies, and provide appropriate visitor data. The Contractor shall safeguard all Government

property. All tasks described in this scope (paragraph 4.0) will be unclassified and shall not require a clearance or any special access.

7.3 Registration of Vehicles

All Contractor employees' vehicles used for the performance of this contract shall comply with all local, state, and federal regulations. Additionally, any pass shall be surrendered to Security Forces upon demand to positively identify a person's need to be on a federal installation.

8.0 Government Furnished Property/Government Furnished Equipment (GFP/GFE)

No GFP/GFE is required for this effort. If GFP/GFE is required, the Contractor shall forward a request to the Government at least 30 days before the need date. All GFP/GFE shall be returned to the Government no later than completion of this effort unless disposition instructions dictate otherwise.

9.0 Program Management

The Contractor shall establish and implement a program management office function to manage all technical performance, reliability, maintainability, schedule, and data delivery requirements of the contract. The Program Manager shall serve as the main point of contact for this effort.

The Contractor shall provide a master schedule, to include development, delivery, installation and test schedule, for Government review and approval, within six (6) weeks of module award.

The Contractor shall plan and manage daily operations and activities associated with providing this requirement to ensure the necessary processes and activities are performed to provide an effective and acceptable system. The Contractor shall employ effective management tools and methods to assure control of cost, schedule and performance.

As needed, The Contractor shall conduct, support, or participate in program management and technical reviews, meeting, and conferences to ensure effective and efficient project execution.

The Contractor shall submit a Contractor's Progress, Status and Management Report (A001, DI-MGMT-80227/T).

10.0 Period of Performance (POP)

The Period of Performance (POP) for this effort is from date of award through 16 March 2019.

APPENDIX A

Points of Contact

1.0 Points of Contact.

1.1 Contracting Officer Representative

The following person has been designated the COR by the GSA Contracting Officer:

NAME: Jeremy Whitmore

ORGANIZATION:

502d Trainer Development Division

Randolph AFB

Email: jeremy.whitmore@us.af.mil

Phone: 210-652-4826

1.2 GSA Contracting Officer

NAME: Erin Quinn-Neuendorf

ORGANIZATION: GSA/FAS/AAS

Email: erin.quinn-neuendorf@gsa.gov

Phone: 817-850-5577

1.3 GSA Project Manager

NAME: Steve Renner

ORGANIZATION: GSA/FAS/AAS

Email: steve.renner@gsa.gov

Phone: 210-306-2348

APPENDIX B

Evaluation Criteria

1.0 Implementation of Evaluation Criteria

GSA will evaluate the quote to determine technical acceptability to the government. GSA will make that determination based on the vendor's quote using the following evaluation criteria:

- Technical Approach (TA) submitted in the form of a Statement of Work, Project Schedule, and Quality Assurance Plan and its feasibility, practicability and appropriateness in accomplishing SOO requirements.
- Price: Evaluated to determine that the price is fair and reasonable.

1.1 Technical Approach (TA)

This factor considers the extent which the vendor understands the requirements of the SOO, and the vendor's technical approach to meeting those requirements.

The vendor will be evaluated on their demonstrated understanding of the task order requirements, the adequacy of the solution approach, the quality and completeness of the technical solutions to these objectives.

1.2 Price

Price will be evaluated to determine the fairness and reasonableness of proposed pricing. Price will be evaluated separate from all non-price elements of the quote.

APPENDIX C

Quote Format

1.0 Quote Format Instructions

The Contractor's quote must include the following information.

- **Technical Portion (Non Price):**
 - Technical Approach (TA) detailed in the form of a Statement of Work (SOW) which covers all requirements defined herein.
 - Detailed Project Schedule (in PDF format)
 - Quality Assurance Plan
- **Pricing:** Pricing shall be submitted as a Microsoft Excel document and shall include the following:
 - A high-level, major component list.
 - Back up documentation to support that the procedures set forth in the FAR 51 deviation were utilized to procure all materials as applicable

NOTE: All labor pricing shall be charged at or below the prices listed in the Core Task (ID07130017), and any subcontractor labor shall be specifically identified as an ODC charge.

1.1 Quote Development Instructions

The Contractor must submit quotes by the date and time established in the request for quote (RFQ) notice posted in GSAs electronic ordering system, IT Solutions Shop (ITSS). If you are unable to attach your quote in GSAs Electronic Ordering System due to some type of technical difficulty, you must report the problem to the CO, Erin Quinn-Neuendorf, 817-850-5577, erin.quinn-neuendorf@gsa.gov, in sufficient time prior to closing to allow for the submission of the quote via an alternative method.

APPENDIX D

CONTRACT DATA REQUIREMENTS LIST <i>(1 Data Item)</i>						Form Approved OMB No. 0704-0188		
Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA. 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for Contract/PR No. listed in Block E.								
A. CONTRACT LINE ITEM NO.		B. EXHIBIT		C. CATEGORY: TDP TM OTHER				
D. SYSTEM/ITEM			E. CONTRACT/PR NO.		F. CONTRACTOR			
1. DATA ITEM NO.		2. TITLE OF DATA ITEM			3. SUBTITLE			
4. AUTHORITY (<i>Data Acquisition Document No.</i>)			5. CONTRACT REFERENCE		6. REQUIRING OFFICE			
7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION		14. DISTRIBUTION			
8. APP CODE		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION					
					a. ADDRESSEE		b. COPIES	
							<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">Draft</div> <div style="text-align: center;">Final</div> </div> <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">Reg</div> <div style="text-align: center;">Repro</div> </div>	
16. REMARKS:								
* - each submission					15. TOTAL			
G. PREPARED BY			H. DATE		I. APPROVED BY		J. DATE	